

Attorney Docket No.: DEX-0172
Inventors: Salceda et al.
Serial No.: 09/763,978
Filing Date: April 25, 2001
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claims 1-13 canceled

Claim 14: (currently amended) An isolated antibody or antibody fragment that binds specifically to a protein encoded by ~~a polynucleotide sequences of any of~~ SEQ ID NO:1, ~~10, 11, 12, 13 or 16.~~

Claim 15-20: (canceled)

Claim 21: (previously presented) The isolated antibody or antibody fragment of claim 14 wherein the antibody is a monoclonal antibody.

Claim 22: (previously presented) The isolated antibody or antibody fragment of claim 14 wherein the antibody or antibody fragment is attached to a reagent selected from the group consisting of radioactive reagents, fluorescent reagents and enzymatic reagents.

Claim 23: (previously presented) The isolated antibody or antibody fragment of claim 22 wherein the enzymatic reagent is horseradish peroxidase or alkaline phosphatase.

Claim 24: (previously presented) The isolated antibody or antibody fragment of claim 14 wherein the antibody or

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antibody fragment specifically binds to the protein in cells, tissues, tissue extracts or bodily fluids.

Claim 25: (previously presented) The isolated antibody or antibody fragment of claim 24 wherein the antibody is a monoclonal antibody.

Claim 26: (previously presented) The isolated antibody or antibody fragment of claim 24 wherein the bodily fluids are selected from the group consisting of blood, urine, saliva and bodily secretions.

Claim 27: (previously presented) The isolated antibody or antibody fragment of claim 26 wherein blood is whole blood, plasma, or serum.

Claim 28: (currently amended) A method for binding an antibody or antibody fragment to a protein encoded by polynucleotide sequences ~~of any of~~ SEQ ID NO:1, 10, 11, 12, 13 ~~or 16~~ on a cell comprising contacting the cell with an isolated antibody or antibody fragment that binds specifically to protein encoded by polynucleotide sequences ~~of any of~~ SEQ ID NO:1, 10, 11, 12, 13 ~~or 16~~.

Claim 29-34: (canceled)

Claim 35: (previously presented) The method of claim 28 wherein the antibody is a monoclonal antibody.

Claim 36: (previously presented) The method of claim 28 wherein the antibody or antibody fragment is attached to

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a reagent selected from the group consisting of radioactive reagents, fluorescent reagents and enzymatic reagents.

Claim 37: (previously presented) The method of claim 36 wherein the enzymatic reagent is horseradish peroxidase or alkaline phosphatase.

Claim 38: (new) An isolated antibody or antibody fragment which binds specifically to a fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1, wherein the fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12 or 13.

Claim 39: (new) The isolated antibody or antibody fragment of claim 38 wherein the fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12.

Claim 40: (new) The isolated antibody or antibody fragment of claim 38 wherein the fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:13.

Claim 41: (new) The isolated antibody or antibody fragment of claim 38 wherein the antibody is a monoclonal antibody.

Claim 42: (new) The isolated antibody or antibody fragment of claim 14 wherein the antibody or antibody fragment is attached to a cytotoxic agent.

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Claim 43: (new) The isolated antibody or antibody fragment of claim 42 wherein the cytotoxic agent is selected from the group consisting of drugs, toxins and radionuclides.

Claim 44: (new) A method for binding an antibody or antibody fragment to a protein encoded by polynucleotide sequence SEQ ID NO:1 on a cell comprising contacting the cell with an isolated antibody or antibody fragment that binds specifically to a fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1, wherein the fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12 or 13.

Claim 45: (new) The method of claim 44 wherein the fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:12.

Claim 46: (new) The method of claim 44 wherein the fragment of the protein encoded by polynucleotide sequence SEQ ID NO:1 is encoded by polynucleotide sequence SEQ ID NO:13.

Claim 47: (new) The method of claim 44 wherein the antibody is a monoclonal antibody.

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Claim 48: (new) The method of claim 28 wherein the isolated antibody or antibody fragment is attached to a cytotoxic agent.

Claim 49: (new) The method of claim 48 wherein the cytotoxic agent is selected from the group consisting of drugs, toxins and radionuclides.